

Attachment A
Proposed Early PRGs
Ecological Risk

Sediment PRG Chemicals	Wildlife Fish		Fish Dietary Exposure		Fish Tissue Residue		Invertebrate Tissue		Benthic Risk	
	PRG?	Method	PRG?	Method	PRG?	Method	PRG?	Method	PRG?	Method
Metals										
Aluminum					Yes	Unknown (2)	Yes	Unknown (2)		
Antimony	Yes	Unknown (2)			Yes	Unknown (2)			Yes	SQG/LOE
Arsenic							Yes	Unknown (2)	Yes	SQG/LOE
Cadmium			Yes	Unknown (2)	Yes	Unknown (2)	Yes	Unknown (2)	Yes	SQG/LOE
Chromium					Yes	Unknown (2)	Yes	Unknown (2)		
Copper	Yes	Unknown (2)	Yes	Unknown (2)	Yes	Unknown (2)	Yes	Unknown (2)	Yes	SQG/LOE
Lead	Yes	Unknown (2)	Yes	Unknown (2)	Yes	Unknown (2)			Yes	SQG/LOE
Mercury	Yes	Unknown (2)	Yes	Unknown (2, 4)	Yes	Unknown (2)				
Nickel									Yes	SQG/LOE
Selenium	Yes	Unknown (2)			Yes	Unknown (2)				
Zinc					Yes	Unknown (2)	Yes	Unknown (2)	Yes	SQG/LOE
Organometallic Compounds										
Tributyltin ion			Yes	Unknown (2)	Yes	Unknown (2)	Yes	Unknown (2)		
SVOCs and PAHs										
Bis(2-ethylhexyl) phthalate			Yes	BSAF					Yes	SQG/LOE
Butylbenzyl phthalate			Yes	BSAF						
Di-n-butyl phthalate			Yes	BSAF					Yes	SQG/LOE
Hexachlorobenzene										
Benzo(a)anthracene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Benzo(a)pyrene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Benzo(b)fluoranthene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Benzo(k)fluoranthene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Chrysene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Dibenzo(a,h)anthracene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Indeno(1,2,3-cd)pyrene			Yes	BSAF(3)					Yes	SQG/LOE(3)
Total PAHs	Yes	BSAF	Yes	BSAF(3)			Yes	BSAF(3)	Yes	SQG/LOE(3)
Total HPAHs			Yes	BSAF(3)					Yes	SQG/LOE(3)
Total LPAHs			Yes	BSAF(3)					Yes	SQG/LOE(3)

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Petroleum Hydrocarbons										
TPH (Total)										
TPH (Residual)										
Pesticides										
Aldrin	Yes	BSAF							Yes	SQG/LOE
Dieldrin										
Alpha - Hexachlorocyclohexane										
Beta - Hexachlorocyclohexane					Yes	BSAF	Yes	BSAF		
Gamma - Hexachlorocyclohexane										
Delta - Hexachlorocyclohexane					Yes	BSAF				
Endrin							Yes	BSAF	Yes	SQG/LOE
Sum DDD					Yes	BSAF/FWM	Yes	BSAF/FWM	Yes	SQG/LOE
Sum DDE									Yes	SQG/LOE
Sum DDT					Yes	BSAF/FWM				
Total DDTs	Yes	BSAF/FWM (4)			Yes	BSAF/FWM	Yes	BSAF/FWM	Yes	SQG/LOE
Heptachlor										
Heptachlor Epoxide										
Chlordane (Total)										
Dioxin and PCBs										
Total PCBs	Yes	BSAF/FWM (4)							Yes	SQG/LOE
Total PCBs (TEQ)	Yes	BSAF/FWM (4)								
Dioxin TEQ	Yes	BSAF/FWM (4)								

Notes:

- (1) Exceeds risk threshold; may not be able to develop sediment-tissue relationship.
- (2) Unclear how PRGs will be developed for metals based on the dietary evaluation.
- (3) Ifurther discussion regarding evaluation of PAHs (individuals vs. total) is required.
- (4) Includes bird egg approach.
- (5) May require evaluation pending review of Round 3B tissue data.